

# Symantec Backup Exec™ System Recovery Windows® Small Business Server Edition

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Regardless of the size of your company, data drives your business. Your ability to keep that data available can often mean the difference between success and failure. But what about the systems that process and service all that data? If those systems are not up and running, the impact to your organization's bottom line can be devastating—especially if those systems cannot be restored immediately. So, developing a strategy for rapidly restoring both your systems and data is crucial.

Symantec Backup Exec System Recovery 7.0 Windows Small Business Server Edition is the gold standard in complete Windows system recovery and allows businesses to recover from system loss or disasters in minutes, not hours or days—even to dissimilar hardware platforms, virtual environments, or in remote, unattended locations. Symantec Backup Exec System Recovery is designed to deliver complete, cost-effective, easy-to-use, and reliable recovery for Microsoft® Windows® Small Business Servers.

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## Key benefits

### ***Recovers complete Windows systems in minutes, not hours or days***

- Recovers entire Windows Small Business Servers, even from a bare-metal state
- Recovers to dissimilar hardware or virtual environments with Symantec Restore Anyware™ technology
- Supports Extended 64-bit (EM64T, AMD64) environments

## ***Enhanced Microsoft Exchange, virtual, and data recovery capabilities***

- Recovers individual Exchange messages, folders, and mailboxes
- Supports VMware ESX Server and Microsoft Virtual Server
- Enables end user file recovery via Google™ Desktop or Backup Exec Retrieve

## ***Simplified, centralized management***

- Provides simple, at-a-glance management of all backup and recovery processes
  - Delivers reporting functionality and trend analysis views
  - Recovers volumes, files, or folders from a remote location
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## Features

### ***Powerful Windows system recovery***

- Captures and protects the entire Windows system, including the operating system, applications, databases, all files, device drivers, profiles, settings, and registry, in one easy-to-manage recovery point—without disrupting user productivity or application usage.
- Perform a full system restoration, even from a bare-metal state, in minutes—without the need to manually reinstall and reconfigure operating systems, applications, system settings, and preferences.
- The Symantec Recovery Disk auto-detects hardware and loads the appropriate drivers to boot the system, eliminating the need to manually build recovery floppy disks.
- **New!** Customizable Symantec Recovery Disk automatically harvests system drivers not already included on the Symantec Recovery Disk and also allows administrators



to add additional drivers for a customized recovery environment tailored to meet your unique hardware needs.

- **New!** Calendar View shows past, present, and future recovery points for each volume on the system and the protection level of each.
- **New!** Google™ Desktop integration allows for fast search and retrieval of files and folders using a familiar Web browser interface.
- **New!** Dynamic CPU-based performance throttling improves performance on small business servers to utilize resources more efficiently while capturing a recovery point. It also includes support for Dual- and Quad-Core systems.
- Scheduled recovery points help ensure systems are automatically backed up while allowing administrators to focus on other tasks.
- **Improved!** Recovery point granularity means you can schedule incremental recovery points as often as every 15 minutes, thus saving time and reducing disk storage requirements by capturing only the changes that were made since the last recovery point.
- **New!** Automated best practice scheduling based on system configuration and storage availability.
- **New!** File/Folder Backup and Recovery allows administrators to back up selective files and folders on a separate schedule from full system or volume recovery points. Users can also search and retrieve files from file/folder backups.
- **New!** Customizable Event Driven Recovery Points allow users to specify which executable(s) or .com files they wish to trigger a new recovery point. This expands on the existing set of event triggers (prior to application installation, user log on or off, and configurable storage utilization changes).

- **New!** Ability to manage backup destinations to optimize the hard drive space being used for storing backups.
- Recovery points can be saved to virtually any disk storage device, including direct attached storage (DAS), network attached storage (NAS), storage area network (SAN), USB drive, FireWire drive, CD, DVD, and so on.
- Network bandwidth throttling enables administrators to generate recovery points to network locations without overloading the network.
- Microsoft Volume Shadow Copy Service (VSS) integration automatically sets databases that are VSS-aware into the “quiet” state so that recovery points can be captured without taking the databases offline.
- Pre- and post-command processing allows administrators to customize additional actions they wish to take prior to capturing a recovery point, or after a recovery has been performed.
- Recovery points can be mounted in Windows Explorer for immediate search, file recovery, or virus scanning.
- Support for Microsoft Active Directory® allows a restored domain controller to be resynchronized with its originating domain.

**Flexible restoration options** (*Restore Anyware technology*)

- Rapid recovery of entire systems to dissimilar hardware (breaking the barrier of incompatible storage controllers and hardware abstraction layers) reduces recovery times and saves significant hardware investments.
- Hot imaging combines with the ability to restore to different hardware platforms on the fly.
- **New!** NIC driver retargeting supports hardware-independent NIC drivers.



- Users can migrate their system to a new computer without requiring a new installation. This is key when upgrading hardware or repurposing systems to serve a different role.

#### **Enhanced Virtual Support**

- **New!** Support for both VMware ESX and Microsoft Virtual Server.
- Leverages the power of virtualization, enabling seamless physical to virtual (P2V) and virtual to physical (V2P) conversions to VMware® ESX Server, VMware Server (formerly GSX Server), VMware Workstation, and Microsoft® Virtual Server disk formats.
- **New!** Easy-to-use, intuitive virtual conversion wizards simplify the conversion process.
- Simplifies Testing and Migrations—Perform preflight testing of patches, application installations, configuration changes, or driver updates in the virtual environment before applying changes to production systems.

#### **Easy remote recovery** (*LightsOut Restore capabilities*)

- Recover systems in remote or inaccessible locations.
- Eliminate in-person visits to perform a full bare-metal recovery by booting the system from its baseboard management controller. (Note that remote out-of-band power management capabilities are not provided with LightsOut Restore.)
- The Symantec Recovery Disk is placed on the system hard drive, eliminating the need to access it from the CD.
- Drivers can be manually added directly to the Symantec Recovery Disk files located in the boot volume subdirectory.

#### **Enhanced Exchange recovery** (*Symantec Backup Exec System Recovery Exchange Retrieve Option is included with Backup Exec System Recovery 7.0 Windows Small Business Server Edition*)

- Protects entire Exchange server quickly and easily enabling granular and full system recovery without the need for multiple backups.
- Locates Exchange database file (.edb) automatically from selected Recovery Points and prepares for granular email recovery.
- Recovers critical Exchange mailboxes, folders, messages, or attachments in seconds—without the need for mailbox backups—and lets you forward them directly through Microsoft Outlook® if desired.
- Allows simple search capability to quickly locate desired email message(s).

#### **Scalable centralized management** (*Symantec Backup Exec System Recovery Manager is available as an add-on purchase*)

- Manage the installations of Symantec Backup Exec System Recovery across your entire organization to simplify administration.
- Includes Backup Exec System Recovery Download Center, an automated Web site for client download and distribution.
- Monitor the current protection status of all managed systems across your entire organization with the at-a-glance consolidated “Home Page” view. You can also access “Hot Spots” for quick problem analysis and view historical trends.
- View real-time status of backup jobs with the ability to filter on computer name, job type, job name, and IP address, and examine errors to troubleshoot any problems identified.

- Centralized access to computer details, including volume name, size, amount and percentage of space used, file system type, and last recovery point time and location.
- Enable end user recovery of files and folders without IT intervention with intuitive, web-based search using Backup Exec Retrieve.
- Search and recover data in Backup Exec for Windows Servers Continuous Protection Server environments as well as Backup Exec System Recovery environments with Universal Backup Exec Retrieve.
- Define recovery point policies for groups of servers with similar requirements, then simply drag and drop to deploy the policies.
- Generate predefined reports or build custom reports and export to .csv, .html, Excel spreadsheet, or .xml formats for easy distribution to IT management.
- Enables role-based administration for varying levels of administration.
- Set default configuration settings for an individual system or groups of systems, including performance throttling, network bandwidth utilization, and notifications via email or SNMP traps.
- Jump-start the creation of recovery points on remote systems when jobs are missed.
- Supports centralized administration of pre-existing Backup Exec System Recovery 6.5 installations.

#### Available products

The Symantec Backup Exec System Recovery 7.0 family includes the following products:

- Symantec Backup Exec System Recovery Server Edition
- Symantec Backup Exec System Recovery Windows Small Business Server Edition (includes the Symantec Backup Exec System Recovery Exchange Retrieve Option)
- Symantec Backup Exec System Recovery Desktop Edition
- Symantec Backup Exec System Recovery Manager
- Symantec Backup Exec System Recovery Exchange Retrieve Option

#### System Requirements

##### **Backup Exec System Recovery 7.0 Windows**

##### **Small Business Server Edition and Backup Exec System Recovery Exchange Retrieve Option**

##### *Operating system*

Microsoft Windows 32-bit or 64-bit operating systems:

- Windows Small Business Server 2000
- Windows Small Business Server 2003

##### *RAM*

- Backup Exec System Recovery Windows Small Business Server Agent: 256 MB
- Backup Exec System Recovery Exchange Retrieve: 256 MB
- Backup Exec System Recovery user interface and Recovery Point Browser: 256 MB
- Symantec Recovery Disk: 512 MB minimum (dedicated)
- Backup Exec System Recovery LightsOut Restore: 1 GB

## Data Sheet: Backup and Recovery

### Symantec Backup Exec System Recovery Windows Small Business Server Edition

#### Available hard disk space

- Backup Exec System Recovery Service: 65.2 MB
- Recovery Point Browser: 30.6 MB
- Backup Exec System Recovery Exchange Retrieve Option: 10 MB
- Microsoft .NET Framework 2.0: 280 MB (32-bit computers); 610 MB (64-bit computers)
- Recovery points: Sufficient hard disk space on a local hard disk or network server for storing recovery points
- Backup Exec System Recovery LightsOut Restore: 500 MB

#### CD-ROM or DVD-ROM drive

The drive can be any speed, but must be bootable from the BIOS. Backup Exec System Recovery uses Gear Software technology. To verify that your CD writer or DVD writer is compatible, visit [www.gearsoftware.com/support/recorders/index.cfm](http://www.gearsoftware.com/support/recorders/index.cfm). You can look up information about your writer if you know its manufacturer and model number.

#### Software

The Microsoft .NET Framework 2.0 is required to run Backup Exec System Recovery. If the .NET Framework is not already installed, Backup Exec System Recovery will initiate a prompt to install it for you. The following software must be installed on your computer before you install the Backup Exec System Recovery Exchange Retrieve Option:

- Symantec Backup Exec System Recovery Windows Small Business Server Edition
- Microsoft Outlook 2003
- .NET Framework 2.0 (included in the Symantec Backup Exec System Recovery installation)

#### Virtual platforms (for converted recovery points)

- VMware GSX Server 3.1 and 3.2
- VMware Server 1.0 (replacement/rename for GSX Server)
- VMware ESX Server 2.5 and 3.0
- VMware Infrastructure 3 (replacement/rename for ESX Server)
- VMware Workstation
- Microsoft Virtual Server 2005 R2

#### Backup Exec System Recovery Manager

##### Processor

- Intel Pentium® 3: 1 GHz or higher
- Intel Pentium 4: 3.0 GHz or higher recommended

##### Operating system

Microsoft OS (with min service pack)	Console	Server
Windows Vista™ Home Basic	X	
Windows Vista Home Premium	X	
Windows Vista Ultimate	X	
Windows Vista Business	X	
Windows Server™ 2003 x64 Editions (SP 1)	X	X
Windows Server 2003 R2 Editions (SP 1)	X	X
Windows Server 2003 (SP 1)	X	X
Windows Small Business Server 2003 (SP 1)	X	X
Windows Advanced Server 2000 (SP 4)	X	
Windows Server 2000 (SP 4) and Update Rollup 1 for SP 4	X	
Windows Small Business Server 2000 (SP 4)	X	
Windows XP Professional x64 Edition (SP 1)	X	
Windows XP Professional (SP 1)	X	
Windows Professional 2000 (SP 4)	X	



### RAM

- Backup Exec System Recovery Manager server: 1 GB
- Backup Exec System Recovery Manager console:  
Dependent on the operating system

### Available hard disk space

- Backup Exec System Recovery Manager console: 100 MB
- Backup Exec System Recovery Manager server: 750 MB
- Backup Exec Retrieve: 15 MB
- Microsoft .NET Framework 2.0: 280 MB (32-bit computers);  
610 MB (64-bit computers)
- Storage space on the network for the recovery points

### Software

Microsoft .NET Framework 2.0 is required to run Backup Exec System Recovery Manager and Backup Exec System Recovery on client computers. When you start the Backup Exec System Recovery Manager console for the first time, .NET is automatically installed if it does not already exist or an older version exists.

Note: Microsoft .NET Framework 2.0 must be installed on client computers before you install Management Control.

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### More information

*Visit our Web site*

[www.backupexec.com](http://www.backupexec.com) or [www.symantec.com](http://www.symantec.com)

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### About Symantec

Symantec is a global leader in infrastructure software, enabling businesses and consumers to have confidence in a connected world. The company helps customers protect their infrastructure, information, and interactions by delivering software and services that address risks to security, availability, compliance, and performance. Headquartered in Cupertino, Calif., Symantec has operations in 40 countries. More information is available at [www.symantec.com](http://www.symantec.com).

### Symantec World Headquarters

20330 Stevens Creek Boulevard  
Cupertino, CA 95014 USA  
+1 (408) 517 8000  
1 (800) 721 3934  
[www.symantec.com](http://www.symantec.com)

